ABSTRACT

The invention relates to a method and device for transmitting and setting the electrical charge and energy of piezoelectric actuators, which are preferably mounted on moving systems, to which an electrically conductive connection is impossible or can only be made with considerable difficulties. An alternating current of a higher frequency with an amplitude, which depends on the phase position and on the amplitude of a countervoltage, is generated by a frequency generator, and this alternating current is transmitted to a moving partial system by means of an inductive transformer. The higher frequency alternating current (i) coming from the secondary winding of the transformer is impressed into the actuator by means of an electronic setting device that is disconnected according to positive and negative semioscillations or to segments of these semioscillations. This alternating current is impressed in a direction in which, in each semioscillation, a longitudinal change in the actuator occurs in a desired direction.